

Adilson Cunha

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

353
citations

1478505

6
h-index

1199594

12
g-index

83
all docs

83
docs citations

83
times ranked

268
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Learning Lessons From the Scrum Adoption in the Brazilian Air Force. IT Professional, 2022, 24, 49-55. | 1.5 | 2 |
| 2 | Platoon Grouping Network Offloading Mechanism for VANETs. IEEE Access, 2021, 9, 53936-53951. | 4.2 | 4 |
| 3 | Could a Conversational AI Identify Offensive Language?. Information (Switzerland), 2021, 12, 418. | 2.9 | 7 |
| 4 | A Hybrid Dictionary Model for Ethical Analysis. Advances in Intelligent Systems and Computing, 2020, , 625-629. | 0.6 | 1 |
| 5 | Q-Scrum: A Framework for Quality in Safety-Critical Development. Communications in Computer and Information Science, 2020, , 238-245. | 0.5 | 1 |
| 6 | Push Recovery Strategies through Deep Reinforcement Learning. , 2020, , . | | 6 |
| 7 | Using Agile Testing in an Academic Health System Case Study. Advances in Intelligent Systems and Computing, 2019, , 605-612. | 0.6 | 1 |
| 8 | A Set of Requirements for Certification of Airborne Military Software. , 2019, , . | | 3 |
| 9 | A new approach to river flow forecasting: LSTM and GRU multivariate models. IEEE Latin America Transactions, 2019, 17, 1978-1986. | 1.6 | 16 |
| 10 | Contextual Hybrid Session-Based News Recommendation With Recurrent Neural Networks. IEEE Access, 2019, 7, 169185-169203. | 4.2 | 70 |
| 11 | Lessons Learned from the Agile Transformation of an Aeronautics Computing Center. Communications in Computer and Information Science, 2019, , 85-91. | 0.5 | 3 |
| 12 | On the Design of a Long Range WSN for Precision Irrigation. IEEE Sensors Journal, 2018, 18, 773-780. | 4.7 | 20 |
| 13 | Health Care Transformation: An Academic Application System Case Study. IFAC-PapersOnLine, 2018, 51, 413-418. | 0.9 | 3 |
| 14 | Tailoring Traditional Software Life Cycles to Ensure Compliance of RTCA DO-178C and DO-331 with Model-Driven Design. , 2018, , . | | 6 |
| 15 | Particle Collision Algorithm Applied to Automatic Estimation of Digital Elevation Model From Images Captured by UAV. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1630-1634. | 3.1 | 0 |
| 16 | Applying agile methods to aircraft embedded software: an experimental analysis. Software - Practice and Experience, 2017, 47, 1465-1484. | 3.6 | 4 |
| 17 | Effective AP Association in SDWN Based on Signal Strength and Occupancy Rate. , 2017, , . | | 1 |
| 18 | COTS tool qualification using RTCA DO-330: Common pitfalls. , 2017, , . | | 8 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Verification scenarios of onboard databases under the RTCA DO-178C and the RTCA DO-200B. , 2017, , . | | 7 |
| 20 | Distributed Systems Performance for Big Data. Advances in Intelligent Systems and Computing, 2016, , 733-744. | 0.6 | 3 |
| 21 | Applying Scrum in an Interdisciplinary Project for Fraud Detection in Credit Card Transactions. Advances in Intelligent Systems and Computing, 2016, , 461-471. | 0.6 | 2 |
| 22 | An Academic Case Study Using Scrum. Advances in Intelligent Systems and Computing, 2016, , 723-731. | 0.6 | 0 |
| 23 | An interdisciplinary academic project for spatial critical embedded system agile development. , 2015, , . | | 4 |
| 24 | ApproxMap - a method for mapping blank nodes in RDF datasets. Journal of the Brazilian Computer Society, 2015, 21, . | 1.3 | 0 |
| 25 | Financial Measuring of Incremental Deliveries in Software Projects -- Finding a Model That Can Answer: How Much is Worth to Split a Project into Iterations?. , 2015, , . | | 0 |
| 26 | Use of RTCA DO-330 in aeronautical databases. , 2015, , . | | 2 |
| 27 | A Software Framework for Identifying the Law of Demeter Violations. , 2015, , . | | 0 |
| 28 | Use of the RTCA DO-330 in aeronautical databases. , 2015, , . | | 4 |
| 29 | Nanosatellite Event Simulator Development Using Scrum Agile Method and Safety-Critical Application Development Environment. , 2015, , . | | 2 |
| 30 | Internet of Things and the Credit Card Market: How Companies Can Deal with the Exponential Increase of Transactions with Connected Devices and Can Also be Efficient to Prevent Frauds. , 2015, , . | | 2 |
| 31 | A Case Study Using Testing Technique for Software as a Service (SaaS). , 2015, , . | | 1 |
| 32 | Applying Scrum in an Interdisciplinary Project Using Big Data, Internet of Things, and Credit Cards. , 2015, , . | | 10 |
| 33 | Cluster Analysis and Artificial Neural Networks: A Case Study in Credit Card Fraud Detection. , 2015, , . | | 21 |
| 34 | An interdisciplinary academic project for spatial critical embedded system agile development. , 2015, , . | | 3 |
| 35 | Deploying Integrated Environment for Software Testing Tools. , 2015, , . | | 2 |
| 36 | IFA2S -- In-flight Awareness Augmentation Systems. , 2015, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Hardware Development: Agile and Co-Design. , 2015, , . | | 9 |
| 38 | An energy management method of sensor nodes for environmental monitoring in Amazonian Basin. Wireless Networks, 2015, 21, 793-807. | 3.0 | 10 |
| 39 | Developing a CDS with Scrum in an interdisciplinary academic project. , 2014, , . | | 0 |
| 40 | Adaptive Game AI Architecture with Player Modeling. , 2014, , . | | 0 |
| 41 | Applying Acceptance Test Driven Development to a Problem Based Learning Academic Real-Time System. , 2014, , . | | 4 |
| 42 | A Chi-Square Methodology Applied in Deviations Control of Project Plan to Support the RIMAM Model. , 2014, , . | | 3 |
| 43 | A Case Study on Pairwise Testing Application. , 2014, , . | | 5 |
| 44 | Applying Interdisciplinarity and Agile Methods in the Development of an Embedded System. , 2014, , . | | 0 |
| 45 | Interdisciplinarity and Agile Development: A Case Study on Graduate Courses. , 2014, , . | | 2 |
| 46 | BPM Model of GQIMP for ISO 9001:2008 Supported by CASE Tools. , 2014, , . | | 1 |
| 47 | Applying Agile Method on Academic Access and Fraud Control System. , 2014, , . | | 0 |
| 48 | GALO: A Semantic Method for Software Configuration Management. , 2014, , . | | 3 |
| 49 | Using design patterns for safety assessment of integrated modular avionics. , 2014, , . | | 0 |
| 50 | A State-Based Testing Method for Detecting Aspect Composition Faults. Lecture Notes in Computer Science, 2014, , 418-433. | 1.3 | 5 |
| 51 | CARD-RM: A Reference Model for Airborne Software. , 2013, , . | | 6 |
| 52 | A Sampling Diagnostics Model for Neural System Training Optimization. , 2013, , . | | 4 |
| 53 | A Meta-algorithm for Planning Optimization in a software Production Line. , 2013, , . | | 0 |
| 54 | Applying Interdisciplinarity and Agile Methods in the Development of a Smart Grids System. , 2013, , . | | 4 |

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| 55 | Computer Science and Interdisciplinarity: A Case Study on an Undergraduate Program. , 2013, , . | | 2 |
| 56 | MADEQ: A model for Avionics Device Qualification. , 2013, , . | | 0 |
| 57 | Applying Testing to Enhance Software Product Quality. , 2013, , . | | 0 |
| 58 | A reference method for airborne software requirements. , 2013, , . | | 2 |
| 59 | Interdisciplinarity in Computer Science: A Case Study on Graduate Courses. , 2013, , . | | 1 |
| 60 | A Comparative Research between SCRUM and RUP Using Real Time Embedded Software Development. , 2013, , . | | 2 |
| 61 | Avionics hard real-time systems' concerning fault tolerance. , 2012, , . | | 0 |
| 62 | Extending an SCM Ontology for Configuration Status Reporting. , 2012, , . | | 0 |
| 63 | Using Model-Based Development as Software Low-Level Requirements to Achieve Airborne Software Certification. , 2012, , . | | 9 |
| 64 | A comparison between automated generated code tools using model based development. , 2011, , . | | 3 |
| 65 | Developing a distributed real-time monitoring system to track UAVs. IEEE Aerospace and Electronic Systems Magazine, 2010, 25, 18-25. | 1.3 | 5 |
| 66 | Vedalogic: um método de Verificação de Dados Climatológicos Apoiado em Modelos Minerados. Revista Brasileira De Meteorologia, 2009, 24, 448-460. | 0.5 | 1 |
| 67 | An estimation model to measure computer systems development based on hardware and software. , 2009, , . | | 2 |
| 68 | Software Testing for Web-Applications Non-Functional Requirements. , 2009, , . | | 7 |
| 69 | Integrating Amazonian Heterogeneous Hydrometeorological Databases. , 2009, , . | | 8 |
| 70 | Final Inspection for Design Pattern Homologation Using a Real Time Embedded Software in a Production Line. , 2009, , . | | 0 |
| 71 | Using Best Practices of Software Engineering into a Real Time System Development. , 2009, , . | | 1 |
| 72 | Using GQM for Testing Design Patterns in Real-Time and Embedded Systems on a Software Production Line. , 2009, , . | | 4 |

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|----|--|----|-----------|
| 73 | Using GQM Hypothesis Restriction to Infer Bayesian Network Testing. , 2009, , . | | 4 |
| 74 | Design Patterns Reuse for Real Time Embedded Software Development. , 2009, , . | | 0 |
| 75 | A Desktop Environment for River Hazards Monitoring. , 2009, , . | | 1 |
| 76 | Comparing Source Codes Generated by CASE Tools with Hand Coded. , 2008, , . | | 6 |
| 77 | Creating an Effective Infrastructure to Develop GIS. , 2007, , . | | 2 |
| 78 | Testing Critical Software: A Case Study for an Aerospace Application. , 2006, , . | | 6 |
| 79 | Intelligent Object-Oriented Software Systems Development with OMT/UML Methodology for Airportuary Environments. , 2001, , 290-296. | | 0 |
| 80 | The impact of an institutional human resources project on the quality of engineering education. , 0, , . | | 0 |